



RMU-1540 Remote Monitoring Unit

Proactive Sensing's rugged, self-contained, RMU-1540 remote monitoring unit is designed to track and react to equipment conditions such as tank levels, temperature, pressure and any other conditions that can be measured with standard sensors. Its internal long-life replaceable battery provides power to external devices such as 4-20mA sensors, eliminating the requirement for an external power source. An integrated GPS provides location tracking.

The RMU-1540 transmits status reports and alert notifications via satellite to a web portal, enabling it to work globally – even in areas where cellular-service is unavailable. Information can also be read locally through an Android cell phone – even in areas where cell service is NOT available!

For applications requiring high data thru put, we offer a supplemental solar power supply. An optional display and other accessories are also available.

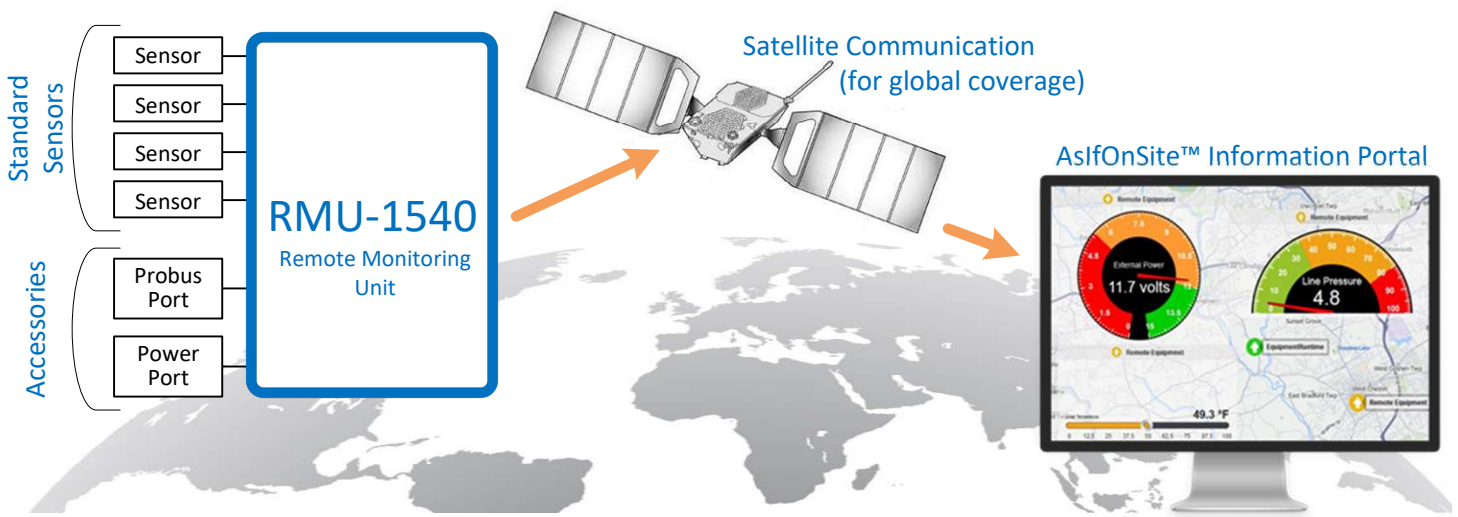
Top Features

- ✓ Class 1 Division 2 certified for hazardous locations
- ✓ Interfaces with **and provides power to** a wide variety of sensors including most industry-standard 2-wire loop powered sensors.
- ✓ Operates for up to 3 years on standard AA Energizer batteries or longer with the optional solar energy harvester.
- ✓ Satellite communication provides global coverage.

Typical Applications

- Manage tank levels and other consumables at remote or unattended facilities
- Check equipment operation to minimize downtime and improve efficiency
- Collect data for regulatory compliance, failure analysis or research
- Monitor environmental conditions

A complete end-to-end remote monitoring solution!



Proactive Sensing made the installation and configuration of the RMU-1540 remote monitoring system both simple and intuitive. Just choose the parameter template from our solution library that best suits your application, customize a few settings to your specific requirements, connect an industry-standard sensor, and start receiving detailed tracking and monitoring information through the AsIfOnSite information portal.

Specifications

	RMU-1210	RMU-1350	RMU-1540	Notes
General	Certifications	No	No	Class1 Div2
	Environmental Rating	IP67	IP67	IP67
	Enclosure Material	ASA	Polycarb	Fiberglass
	Size (inches)	5.6x3.8x1.5	7.5x3.3x2.3	7.5x3.3x3.8
	Internal Sensors	Temp,Vibration, Battery	Temp,Vibration, Battery	Temp,Vibration, Battery
	Max # standard sensors	1	2	4
	Connection Ports	1	2	4
	Operating Temp	-40 to 140	-40 to 140	-40 to 140
Supported Sensor Types	4-20mA Sensors	Yes	Yes	Yes
	Variable Resistance	Yes	Yes	Yes
	Dry Contact	Yes	Yes	Yes
	Probus	Yes	Yes	Yes
Communication	Type	Simplex	Simplex	Simplex
	Near Field (NFC)	Narrow	Narrow	Narrow
Power	Internal Batteries	6 x AA	6 x AA	6 x AA
	Ext Power Connection	Optional	6-28VDC 1A	6-28VDC 1A

Accessories

AppTap (included) - This Android application enables you to access sensor readings and other information by touching your cell-phone directly to the monitoring unit. Cell phone service is NOT required to use this capability.

Outdoor Mini-Display – Rugged outdoor-rated OLED display with single push-button operation enables you to scroll through all monitored conditions. Can be located up to 20 ft away from the monitoring unit.



Solar Energy Harvester – If your application uses significant amounts of system resources and/or it you require longer battery life, you can add the optional solar energy harvester.

Standard Sensors – Proactive Sensing offers a growing list of sensors that offer exceptional performance and cost effectiveness. Check our website for details.

Custom Sensors – Do you need to sense a condition that can't be sensed with a standard off-the-shelf sensor? Call us to discuss your requirements.

Call us at +1 484-488-4000 to discuss your application. We can suggest sensors, equipment, software and communications solutions to solve most any remote monitoring application